A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

No. 98-89 August 2, 1989

U.S. FOREIGN TRADE – APRIL 1989

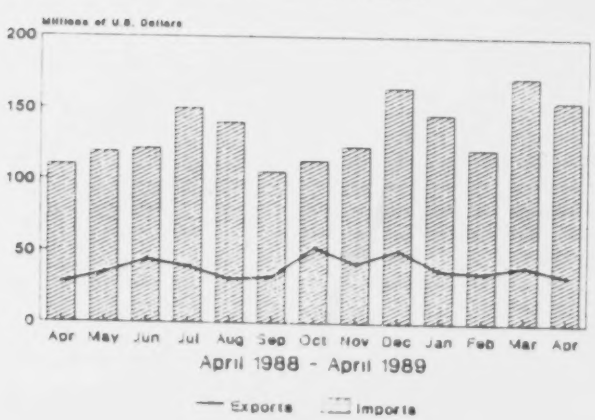
Metal cutting machine tool imports and exports fell during April compared with March; metal forming imports and exports rose. The year-to-date trade balance in metal forming machines is up 44% over a year ago, although the metal cutting year-to-date balance is down.

U.S. MACHINE TOOL FOREIGN TRADE SUMMARY

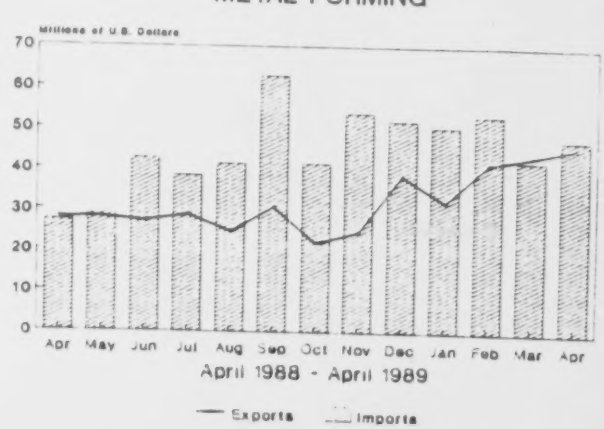
	April 1989	March 1989	% Change Mar.-Apr.	Year to Date '89	Year to Date '88	% Change '88-'89
METAL CUTTING						
Imports	$156.0	$172.1	- 9.4%	$596.4	$504.6	18.2%
Exports	$ 33.9	$ 40.6	-16.5%	$147.5	$116.8	26.3%
Balance	-$122.1	-$131.5	- 7.1%	-$448.9	-$387.8	15.8%
METAL FORMING						
Imports	$ 47.6	$ 42.3	12.5%	$193.7	$154.7	25.2%
Exports	$ 45.8	$ 43.5	5.3%	$162.8	$100.0	62.8%
Balance	-$ 1.8	$ 1.2	-250.0%	-$ 30.9	-$ 54.7	-43.5%
TOTAL						
Imports	$203.6	$214.4	- 5.0%	$790.1	$659.3	19.8%
Exports	$ 79.7	$ 84.1	- 5.2%	$310.3	$216.8	43.1%
Balance	-$123.9	-$130.3	- 4.9%	-$479.8	-$442.5	8.4%

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



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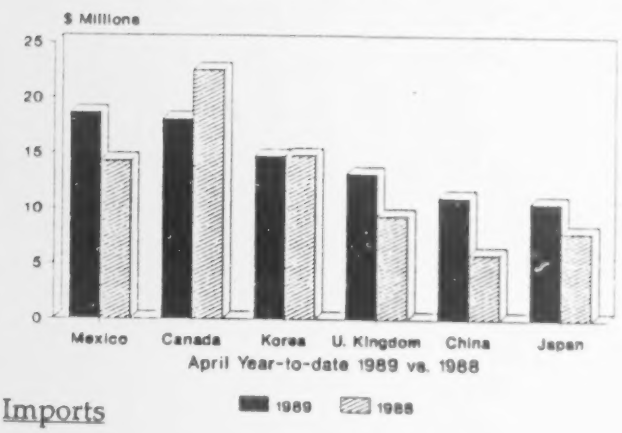
METAL CUTTING

Exports

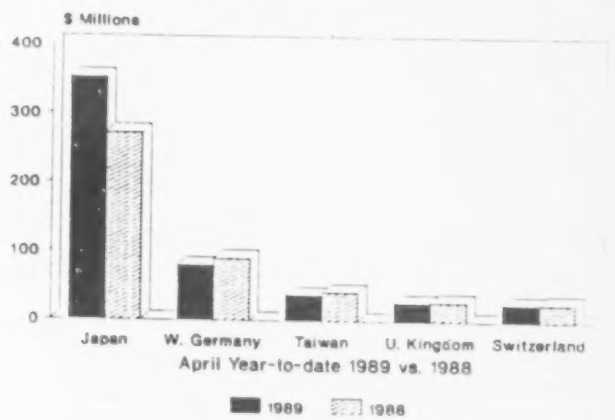
During April, Mexico was the largest metal cutting machine tool export market at $4.9 million, followed closely by the United Kingdom at $4.7 million and Canada at $4.5 million. In percentage terms, the largest increase in exports among top markets compared to April of last year was West Germany up 98% to $2.0 million, followed by the United Kingdom (63%) and Mexico (50%). Compared with last month, exports were down to all major markets except the United Kingdom, which saw a 66% rise in shipments from the United States. Exports to China and Korea fell over 50% compared with March.

METAL CUTTING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS



LEADING U.S. IMPORT SOURCES



Imports

Imports of metal cutting machine tools were up 41% in April 1989 compared with April 1988, but down 9% from March 1989. Japan remained the largest single import source, accounting for 57% or $88.8 million. Imports from Japan were up 38% over April 1988 but down 25% from March 1989. Among importers to the United States, West Germany was up 42% during April over March to $22.5 million, Italy nearly tripled shipments to $6.4 million, and U.S. imports from Spain almost doubled to $2.4 million.

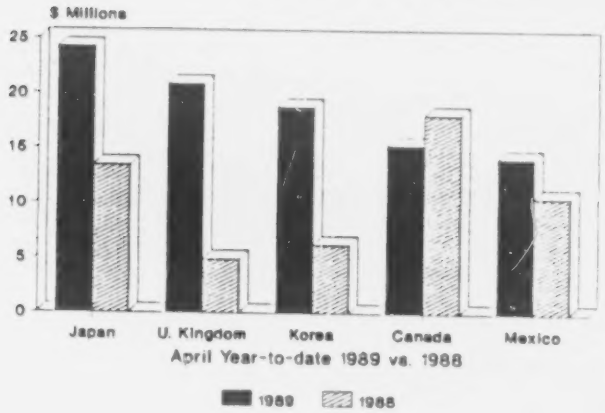
METAL FORMING

Exports

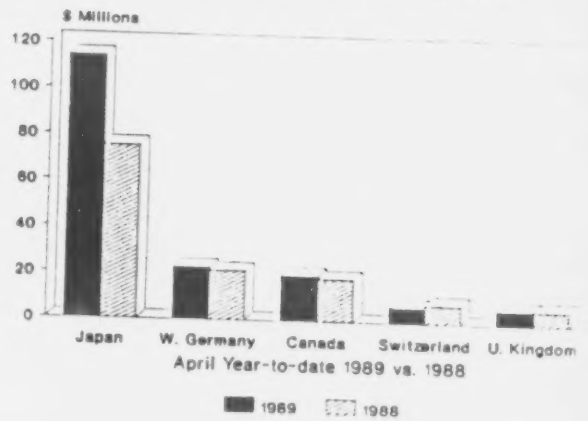
With the exception of Canada, all major metal forming machine tool export markets posted impressive gains in April 1989, compared with April 1988. Japan was the largest market with $8.1 million, a 173% increase over last year and 86% over last month. Exports to Korea more than tripled to nearly $6.5 million and exports to the United Kingdom increased five-fold to $4.6 million, compared with April 1988. However, compared with last month, U.S. exports to Korea and the United Kingdom were both down. Year-to-date export totals are 63% higher than last year, while April 1989 exports are 5% higher than March. China and Japan paced strong export growth as Japan replaced Korea as the leading export market for the month.

METAL FORMING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS



LEADING U.S. IMPORT SOURCES



Imports

U.S. imports of metal forming machine tools from Japan more than tripled in April 1989 compared with April 1988, and were up 34% versus March 1989, to $29.4 million, accounting for 62% of the U.S. import total. Also posting large gains compared with April 1988 were imports from West Germany and Canada, up 45% and 40%, respectively. The top five import sources accounted for 85% of total imports. Compared with March, imports from Switzerland, the United Kingdom, and Canada fell 52%, 50%, and 40% respectively; imports rose by 26% from West Germany.

Other Manufacturing Technology

Exports

U.S. exports of machine tool parts and accessories totalled $67.2 million in April 1989, up 11% from the previous month. In addition, the United States exported $4.1 million of numerical controllers for machine tools. These figures correspond to total April 1989 exports of cutting machine tools of $33.9 million and forming machine tools of $45.8 million. The top parts markets in April were Canada ($13.4 million), the United Kingdom ($10.2 million), Korea ($6.8 million), Japan ($5.8 million), and Mexico ($5.1 million).

U.S. exports of machines and appliances for testing metals amounted to $6.1 million during April, of which Japan, Korea, and West Germany accounted for 19% ($1.2 million), 16%, and 14% respectively. Exports of injection molding machines for thermoplastics totalled $4.9 million for the month; the top market was Canada with roughly 50% of the total, followed by Mexico. Of the $4.2 million in U.S. exports of extruders for processing thermoplastics, $2.5 million went to Canada and $1.4 million went to China.

Imports

U.S. imports of machine tool parts and accessories reached $62.9 million for April, down 16% from March. U.S. imports of numerical controls fell 48% to $13.1 million for the month, while U.S. imports of other manufacturing technology, excluding parts and numerical controls, fell 8% from March to $66.9 million. Overall, Japan accounted for 39% of U.S. imports of "other manufacturing technology," during April.

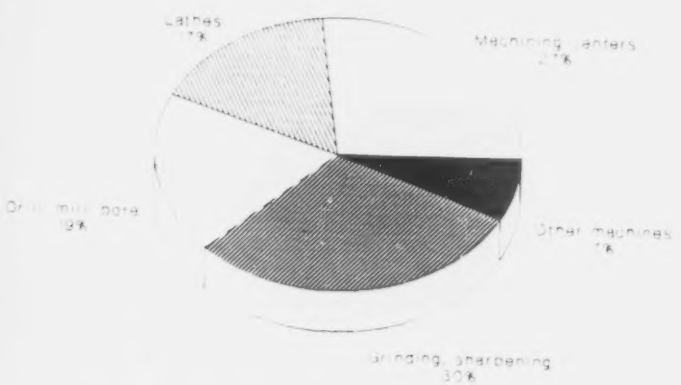
Japan, West Germany, and Canada accounted for $8.9 million, $4.8 million, and $4.1 million, respectively, of the $22.0 million in injection molding machinery for thermoplastics the U.S. imported in April. Japan also supplied 84% of numerical controls for controlling machine tools; and 70% ($10.9 million) of U.S. robot imports during the month. West Germany accounted for two-thirds of U.S. imports of extruders for processing thermoplastics and 45% of blow molding machine imports during April.

MONTHLY FOCUS

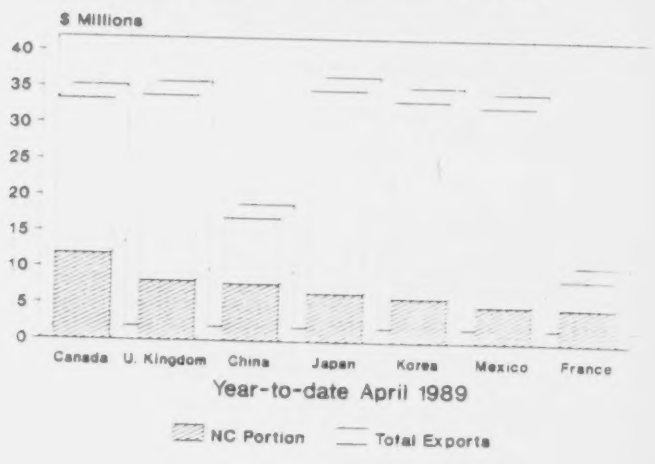
LEADING U.S. MACHINE TOOL NC EXPORTS

Through April, U.S. exports of NC machine tools reached $76.4 million, or 25% of total U.S. machine tool exports. Grinding, sharpening, and honing machines constitute the largest single category NC exports, at $15.8 million. Machining centers represent the next largest category at $13.9 million. Seventy percent of U.S. NC exports are metal cutting machines. The largest U.S. export market for NC machines is Canada. Of the top markets, China and France have the highest NC exports/total exports ratio.

U.S. Metal Cutting NC Exports
By Product Type, Year-to-date April 1989



LEADING U.S. NC EXPORT MARKETS



U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

RELEASED: August 2, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	231	3807	88	1227
8462100030	Headers and upsetters, including cold headers	15	4324	6	2549
100050	Forging or die stamping machines, and hammers, n.e.c.	216	8837	32	1915
210080	Bending, folding, straight. or flat. mach., incl presses, NC	129	7579	45	2661
290030	Press brakes, non-NC	9	500	1	12
290040	Bending rolls, non-NC	30	985	3	85
290050	Bending, folding, straight., or flat., n.e.c., non-NC	221	6294	58	1537
310080	Shearing machines, NC	26	2498	9	365
390050	Shearing machines, non-NC	59	1462	13	440
410080	Punching or notching mach., incl. comb. punch & shear, NC	50	8288	10	1034
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	270	7288	73	1956
910060	Hydraulic presses, NC	32	1086	5	124
910090	Hydraulic presses, non-NC	154	7048	43	2696
990030	Presses, n.e.c., NC	24	3148	14	1118
990040	Presses, mechanical, non-NC	78	3261	2	162
990060	Presses, n.e.c., non-NC	195	8941	52	2181
8463100080	Draw benches for bars, tubes, profiles, wire or the like	132	2839	19	484
200080	Thread rolling machines	18	2182	9	437
300080	Machines for working wire	416	15545	83	3253
900080	Metal forming machine tools, n.e.c.	785	42648	268	15449
9800000002	Used or rebuilt machine tools	1435	22774	278	5639
9900000002	Machine tools valued at less than $2,500	2001	1499	741	469
	Forming Total			1852	45792
	Y-T-D Forming Total	6526	162833		
	NC Y-T-D Forming Total	261	22599		
	Cutting and Forming Totals:				
	Monthly Total			6659	79686
	Y-T-D Total	25727	310284		
	NC Y-T-D Total*	714	76365		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	219192	0	67158
2710003070	Quenching or cutting oils	0	3523	0	888
8428900010	Industrial robots for lifting, handling, loading or unload	416	4979	48	993
8456100000	Laser, light or photon beam for working any material	1639	12339	77	3424
200000	Ultrasonic process for working any material	68	159	1	13
8477106010	Injection molding mach., for rubber or oth. thermosetting	90	8923	36	3839
106050	Injection molding mach., for thermoplastics	132	19508	33	4890
200010	Extruders for rubber or other thermosetting materials	85	3719	11	938
200050	Extruders for processing thermoplastics	382	12231	90	4207
300000	Blow molding machines	136	11128	35	2643
400000	Vacuum-molding and other thermoforming machines	600	5209	213	919
8479899040	Industrial robots, n.e.c.	799	11003	288	3857
900040	Industrial robot parts	0	4407	0	1049
8537100030	Numerical controls for controlling machine tools	5944	12527	739	4140
9024100000	Machines and appliances for testing metals	0	29071	0	6089
9031100000	Machines for balancing mechanical parts	0	9518	0	1802
300000	Profile projectors	0	3409	0	2038
9032810040	Industrial process control instr., hydraulic or pneumatic	209329	12697	47911	3277

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include codes 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	6	0	0	0	0	13	137
8462100030	0	0	0	0	0	0	0	0	1	131
100050	1	6	1	11	0	0	0	0	3	53
210080	3	112	0	0	0	0	0	0	6	100
290030	0	0	0	0	0	0	0	0	1	12
290040	0	0	0	0	0	0	0	0	2	67
290050	0	0	0	0	1	7	0	0	13	325
310080	0	0	0	0	0	0	0	0	1	69
390050	0	0	0	0	0	0	0	0	11	430
410080	0	0	0	0	0	0	0	0	6	688
490050	0	0	0	0	0	0	0	0	6	173
910060	0	0	0	0	0	0	0	0	1	23
910090	2	22	0	0	0	0	0	0	1	6
990030	0	0	0	0	0	0	0	0	6	144
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	5	228
8463100080	0	0	0	0	0	0	0	0	1	99
200080	0	0	0	0	0	0	0	0	0	0
300080	2	54	1	18	0	0	2	34	5	133
900080	26	684	0	0	0	0	0	0	15	154
9800000002	17	809	0	0	29	530	2	12	32	309
9900000002	19	14	93	79	29	25	0	0	84	69
Month Tot	70	1701	96	115	59	561	4	46	213	3349
Y-T-D Tot	177	3873	103	616	75	681	45	1754	837	15246
NC YTD Tot	7	603	0	0	0	0	5	208	56	5753
C&F Month	185	2228	110	129	62	826	44	641	2592	7840
C&F Y-T-D	376	6740	136	1056	176	3444	217	4389	9658	33310
C&F NC YTD	12	945	0	0	18	2081	6	439	127	11906

Other Manufacturing Technology

1000000000	0	817	0	93	0	833	0	1607	0	13387
2710003070	0	20	0	0	0	41	0	0	0	136
8428900010	4	35	0	0	0	0	0	0	7	141
8456100000	0	0	0	0	0	0	0	0	18	624
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	2	65	1	71	6	269
106050	0	0	0	0	1	76	0	0	11	2473
200010	0	0	0	0	0	0	0	0	0	0
200050	2	47	0	0	1	250	0	0	67	1886
300000	0	0	0	0	0	0	0	0	0	0
400000	1	5	0	0	0	0	0	0	92	161
8479899040	1	32	0	0	0	0	0	0	61	929
900040	0	0	0	0	0	5	0	0	0	235
8537100030	8	55	90	508	1	3	0	0	68	417
9024100000	0	110	0	0	0	46	0	22	0	411
9031100000	0	60	0	0	0	0	0	7	0	374
300000	0	3	0	0	0	0	0	0	0	20
9032810040	377	31	350	17	671	42	90	18	4059	394

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	42	457	2	20	1	18	0	0	0	0
8462100030	0	0	0	0	1	1070	0	0	0	0
100050	1	565	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	35	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	31	4	213	0	0	3	63
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	4	47	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	6	0	0
990030	0	0	0	0	1	67	0	0	0	0
990040	1	150	0	0	0	0	0	0	0	0
990060	0	0	0	0	2	11	0	0	0	0
8463100080	0	0	1	12	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	11	270	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	583	0	0	1	20
9800000002	4	1091	3	48	0	0	0	0	10	191
9900000002	0	0	0	0	0	0	0	0	2	2
Month Tot	59	2533	13	158	11	1997	1	6	16	276
Y-T-D Tot	154	5952	157	2761	46	3694	5	78	83	3539
NC YTD Tot	17	430	2	61	2	102	0	0	[illegible]	1088
C&F Month	98	4256	164	958	18	3357	4	661	36	1552
C&F Y-T-D	407	17012	447	8826	181	7370	78	1179	221	9550
C&F NC YTD	84	7813	36	4906	5	1411	1	596	6	2035

Other Manufacturing Technology

1000000000	0	541	0	1947	0	271	0	23	0	1167
2710003070	0	0	0	0	0	245	0	4	0	9
8428900010	0	0	0	0	0	0	0	0	1	100
8456100000	0	0	0	0	0	0	0	0	1	12
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	176
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	1	1438	0	0	0	0	0	0	0	0
300000	0	0	5	50	0	0	0	0	20	19
400000	0	0	0	0	0	0	0	0	0	0
8479899040	0	0	32	817	0	0	0	0	1	41
900040	0	0	0	30	0	0	0	0	0	0
8537100030	2	3	72	303	1	13	0	0	14	74
9024100000	0	15	0	165	0	2	0	0	0	291
9031100000	0	36	0	0	0	4	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	1268	109	2048	186	1	8	0	0	3152	342

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
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Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	15	163	0	0	5	172	0	0
8462100030	1	50	2	1289	0	0	1	8	0	0
100050	3	56	0	0	0	0	8	289	0	0
210080	21	1267	0	0	0	0	1	43	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	18	0	0
290050	3	53	1	9	0	0	7	62	3	20
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	9	0	0
410080	0	0	0	0	1	105	0	0	0	0
490050	1	5	10	122	0	0	13	63	0	0
910060	1	62	0	0	0	0	0	0	0	0
910090	0	0	1	202	0	0	8	141	1	10
990030	2	333	0	0	0	0	3	366	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	25	720	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	6	274	0	0	0	0	0	0	0	0
300080	2	11	0	0	0	0	4	76	0	0
900080	28	5358	135	4459	0	0	23	493	3	13
9800000002	1	608	12	243	1	15	83	648	0	0
9900000002	7	9	0	0	0	0	125	126	10	8
Month Tot	76	8104	176	6487	2	120	309	3235	17	52
Y-T-D Tot	380	24182	446	18729	8	276	1105	14066	53	824
NC YTD Tot	60	4226	5	1011	1	105	18	1049	5	461
C&F Month	362	10263	223	9129	29	161	767	8173	118	375
C&F Y-T-D	1812	34749	714	33438	55	399	3975	32688	359	3708
C&F NC YTD	82	6671	31	6094	1	105	58	5065	22	2338

Other Manufacturing Technology

1000000000	0	5779	0	6815	0	495	0	5083	0	644
2710003070	0	26	0	25	0	9	0	69	0	0
8428900010	27	270	0	0	0	0	1	379	0	0
8456100000	25	1934	0	0	0	0	1	25	1	33
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	2	1344	6	933	10	421	0	0
106050	0	0	2	132	0	0	5	751	0	0
200010	2	56	0	0	0	0	1	19	0	0
200050	0	0	3	108	0	0	6	139	0	0
300000	0	0	1	20	0	0	5	321	0	0
400000	34	134	28	242	0	0	1	4	0	0
8479899040	13	91	1	40	0	0	1	73	0	0
900040	0	120	0	50	0	0	0	17	0	0
8537100030	17	156	21	116	4	27	36	351	10	49
9024100000	0	1154	0	975	0	0	0	233	0	275
9031100000	0	400	0	167	0	0	0	165	0	0
300000	0	1958	0	11	0	0	0	0	0	0
9032810040	4401	426	160	70	0	0	8292	88	4426	265

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	29	1	4
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	3	52	0	0
210080	0	0	0	0	0	0	2	458	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	121	0	0	2	41	0	0	0	0
310080	1	87	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	1	3	17	328	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	32	0	0	0	0	2	125	0	0
990030	0	0	0	0	0	0	1	85	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	10	412	0	0	0	0	1	10
8463100080	0	0	0	0	0	0	0	0	4	152
200080	0	0	2	144	0	0	0	0	0	0
300080	0	0	2	67	0	0	1	41	0	0
900080	0	0	1	213	1	17	3	872	0	0
9800000002	4	25	0	0	0	0	1	6	0	0
9900000002	8	9	0	0	0	0	0	0	0	0
Month Tot	17	276	32	1164	3	58	14	1667	6	165
Y-T-D Tot	100	5793	70	2224	28	836	82	4534	26	679
NC YTD Tot	14	2436	0	0	4	222	7	924	0	0
C&F Month	114	682	36	1266	43	286	163	2897	23	250
C&F Y-T-D	609	8082	259	3523	113	2505	322	7712	84	1269
C&F NC YTD	17	2846	1	677	13	1514	15	1652	5	178

Other Manufacturing Technology

1000000000	0	740	0	374	0	733	0	1304	0	517
2710003070	0	45	0	4	0	0	0	131	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	1	19	0	0	1	116	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	3	200	2	124	3	208	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
8479899040	16	97	1	40	6	141	28	169	0	0
900040	0	0	0	0	0	2	0	0	0	0
8537100030	3	16	1	3	9	49	1	2	6	36
9024100000	0	118	0	48	0	32	0	49	0	5
9031100000	0	135	0	0	0	0	0	0	0	0
300000	0	2	0	0	0	0	0	0	0	0
9032810040	771	59	2841	150	222	25	1936	108	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	7	221
8462100030	0	0	0	0	0	0	0	0	0	0
100050	4	61	0	0	0	0	0	0	8	823
210080	1	167	0	0	0	0	0	0	10	459
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	34	0	0	0	0	11	511	4	47
310060	7	210	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	1	36	2	205	0	0
490050	13	1132	0	0	0	0	1	4	7	78
910060	2	17	0	0	0	0	0	0	1	23
910090	5	176	0	0	2	126	0	0	19	1850
990030	0	0	0	0	0	0	0	0	1	122
990040	0	0	0	0	0	0	0	0	1	12
990060	3	25	0	0	0	0	5	741	1	35
8463100080	5	35	0	0	0	0	0	0	8	187
200080	1	19	0	0	0	0	0	0	0	0
300080	23	2002	0	0	7	58	5	127	18	361
900080	5	622	0	0	0	0	13	483	13	1479
9800000002	7	75	0	0	3	108	1	50	68	871
9900000002	87	45	0	0	0	0	63	14	214	68
Month Tot	164	4620	0	0	13	329	101	2135	380	6637
Y-T-D Tot	540	20808	2	108	99	4279	243	8701	1662	18600
NC YTD Tot	26	1464	2	108	2	55	3	276	24	2016
C&F Month	442	9292	0	0	36	374	211	4162	779	9927
C&F Y-T-D	1448	33933	4	778	302	8218	889	15700	2885	30705
C&F NC YTD	79	8156	2	108	5	257	16	2719	72	5852

Other Manufacturing Technology

1000000000	0	10217	0	13	0	540	0	3285	0	9937
2710003070	0	11	0	0	0	0	0	8	0	106
8428900010	0	0	0	0	0	0	8	68	0	0
8456100000	3	70	7	168	0	0	3	69	16	354
200000	1	13	0	0	0	0	0	0	0	0
8477106010	1	93	0	0	1	108	0	0	5	357
106050	5	437	0	0	0	0	1	490	0	0
200010	0	0	0	0	0	0	5	806	3	56
200050	1	11	0	0	0	0	2	41	7	288
300000	0	0	0	0	0	0	0	0	4	2232
400000	52	29	0	0	0	0	1	2	4	344
8479899040	19	338	0	0	0	0	63	559	45	490
900040	0	450	0	0	0	0	0	100	0	40
8537100030	214	1325	0	0	0	0	129	416	32	217
9024100000	0	581	0	30	0	4	0	837	0	688
9031100000	0	5	0	0	0	43	0	339	0	66
300000	0	6	0	0	0	0	0	39	0	0
9032810040	4486	328	0	0	200	88	3655	240	4505	282

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	3	7	18	367	21	373
East Germany	0	0	0	0	0	0
Finland	9	6	7	2	16	7
Greece	1	22	1	10	2	32
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	5	293	6	1783	11	2076
Luxembourg	0	0	0	0	0	0
Norway	13	97	0	0	13	97
Poland	1	26	6	196	7	222
Portugal	0	0	1	15	1	15
Romania	0	0	0	0	0	0
Sweden	17	739	7	133	24	871
Turkey	3	480	3	278	6	758
Yugoslavia	1	19	0	0	1	19
Oth Europe	0	0	0	0	0	0
TOTAL	774	11397	550	11921	1324	23317
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	3	41	3	41
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	2	28	2	28
Dominican Rep	16	79	3	52	19	131
El Salvador	8	18	3	24	11	42
Guatemala	3	2	2	38	5	40
Haiti	0	0	3	3	3	3
Honduras	1	4	0	0	1	4
Jamaica	0	0	0	0	0	0
Panama	4	20	0	0	4	20
Trinidad	8	5	1	35	9	40
Oth N & C Am.	0	0	7	189	7	189
TOTAL	2877	9558	546	6993	3423	16551
SOUTH AMERICA						
Argentina	15	259	0	0	15	259
Bolivia	0	0	0	0	0	0
Chile	7	24	7	144	14	167
Colombia	19	90	211	493	230	582
Ecuador	3	8	0	0	3	8
Paraguay	0	0	0	0	0	0
Peru	0	0	6	179	6	179
Uruguay	12	121	0	0	12	121
Oth South Am.	0	0	0	0	0	0
TOTAL	119	1141	241	1190	360	2332
OCEANIA						
New Zealand	0	0	0	0	0	0
Oth Oceania	3	93	4	61	7	154
TOTAL	118	621	74	1762	192	2383

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	149	281	43	454	192	735
Iran	0	0	0	0	0	0
Iraq	2	125	3	1625	5	1750
Israel	10	64	0	0	10	64
Jordan	0	0	0	0	0	0
Kuwait	0	0	1	96	1	96
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	12	0	0	1	12
Pakistan	2	200	1	2	3	202
Philippines	63	104	5	61	68	165
Qatar	0	0	0	0	0	0
Saudi Arabia	2	49	1	12	3	60
Sri Lanka	9	13	0	0	9	13
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	6	7	22	235	28	242
TOTAL	916	11155	438	23840	1354	34995
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	2	26	2	26
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	3	23	1	59	4	82
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	3	23	3	86	6	109

Note: Region totals include top countries detailed by product as well as countries listed above

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

RELEASED: August 2, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	301	2442	4	921
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	10	1457	5	766
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	3	646	0	0
100035	Horiz. mach. ctrs., ATC	19	8177	5	1671
100045	Mach. ctrs., n.e.c.	53	3664	18	1098
200010	Unit construction mach. (single station transfer), NC	3	2683	0	0
200090	Unit construction mach. (single station transfer), non-NC	2	674	0	0
300010	Multi-station transfer machines, NC	1	167	0	0
300090	Multi-station transfer machines, non-NC	10	2490	3	614
8458110010	Horiz. lathes, multiple spindle, NC	0	0	0	0
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	75	6265	33	2775
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	9	1680	2	478
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	3	287	0	0
190030	Horiz. engine or toolroom lathes, non-NC	38	773	14	248
190050	Automatic bar and/or chucking mach., single spindle, non-NC	13	51	1	4
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	13	1357	7	1044
190090	Horiz. lathes, n.e.c., non-NC	69	934	19	273
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	59	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	3	420	0	0
991050	Vertical turret lathes, non-NC	9	205	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	32	1527	2	45
8459100000	Way-type unit head machines	7	2056	2	316
210080	Other drilling machines, NC	19	1276	7	295
290040	Drilling machines, multiple spindle, non-NC	4	424	2	353
290050	Drilling machines, radial, non-NC	13	511	2	60
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	15	327	5	282
290090	Drilling machines, n.e.c., non-NC	26	1677	11	323
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1692	2	804
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366	0	0
310070	Boring-milling mach., n.e.c., NC	13	1063	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30	1	30
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	93	592	11	73
400040	Boring machines, vertical, NC	1	687	0	0
400050	Boring machines, vertical, non-NC	9	145	2	34
400070	Boring machines, n.e.c., NC	1	1350	0	0
400080	Boring machines, n.e.c., non-NC	12	1433	1	9
510080	Milling machines, knee type, NC	7	750	2	66
590030	Milling machines, knee type, non-NC	6	201	1	30
610080	Milling machines, excl. knee type, n.e.c., NC	15	2740	1	56
690050	Milling machines, profile, dup., or die sinking, non-NC	15	693	9	229
690070	Milling machines, bed type, non-NC	26	3633	12	700
690090	Milling machines, n.e.c., non-NC	162	3987	21	725
700020	Threading or tapping machines, n.e.c., NC	2	83	0	0
700080	Threading or tapping machines, n.e.c., non-NC	88	3358	24	304
8460110080	Flat surface grinding mach., NC	54	4684	3	203
190010	Flat surface grinding mach., recip.-table type, non-NC	21	351	9	84
190050	Flat surface grinding mach., n.e.c., non-NC	60	3411	12	1078
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	104	8319	13	1623
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	15	787	7	252
290030	Grinding mach., internal cylindrical, non-NC	23	965	4	187
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	190	5916	53	1792
310080	Sharpening machines (tool & cutter grinding), NC	7	182	1	20
390050	Sharpening machines (tool & cutter grinding), non-NC	394	3731	82	816
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	268	3006	85	865
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	23	2592	2	1110
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	186	3631	46	1130
8461100060	Planing machines, NC	1	25	1	25
100080	Planing machines, non-NC	61	1751	4	504
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	9	141	3	37
300060	Broaching machines, NC	1	248	1	248
300080	Broaching machines, non-NC	6	832	4	84
401050	Gear hobbers	24	3489	2	63
401070	Gear shapers	9	300	1	20
401090	Gear cutting machines, n.e.c.	23	4472	1	103
405060	Gear grinding or finishing machines	16	2283	2	665
500050	Sawing or cutting-off machines, NC	7	757	0	0
500090	Sawing or cutting-off machines, non-NC	330	4571	94	1089
9000000001	Metal cutting machine tools, n.e.c.	87	2493	26	1051
9800000001	Used or rebuilt machine tools	2548	17445	397	4739
9900000001	Machine tools valued at less than $2,500	13527	6042	3725	1480
	Cutting Total			4807	33894
	Y-T-D Cutting Total	19201	147451		
	NC Y-T-D Cutting Total*	453	53766		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	123
8457100015	0	0	0	0	0	0	0	0	3	491
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	76	0	0	1	108	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	1	78	0	0	4	318
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	3	40
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	3	0	0	0	0	0	0	2	29
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	4	169
310040	0	0	0	0	0	0	0	0	1	470
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	17
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	30
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	2	51
690090	1	5	0	0	0	0	0	0	5	350
700020	0	0	0	0	0	0	3	441	0	0
700080	6	128	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	78	0	0	5	27
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	2	15	2	14
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	7	206
290030	0	0	0	0	0	0	0	0	2	120
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	9	167
390050	0	0	0	0	0	0	0	0	1	20
400060	0	0	0	0	0	0	0	0	33	485
400080	0	0	2	7	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	2	9
900080	0	0	0	0	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	4	21
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	3	66
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	3	36	0	0	0	0	3	119	27	199
9000000001	0	0	0	0	0	0	0	0	3	21
9800000001	10	212	0	0	0	0	0	0	44	629
9900000001	93	67	12	8	0	0	32	20	2209	419
Month Tot	115	527	14	15	3	265	40	595	2379	4490
Y-T-D Tot	199	2866	33	440	101	2763	172	2635	8821	18065
NC YTD Tot*	5	342	0	0	18	2081	1	231	71	6153

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	3	287	[illegible]	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	[illegible]	565	1	162	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	16	1	71	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	39
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	55	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	9	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	1	80	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	3	69	0	0	0	0	1	25
290030	0	0	0	0	0	0	0	0	0	0
290050	6	76	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	6	0	0	0	0	0	0	2	20
900060	0	0	0	0	1	1091	0	0	0	0
900080	0	0	0	0	0	0	1	5	2	8
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	63
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	1	646
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	1	34	0	0	0	0
9000000001	0	0	0	0	0	0	1	596	0	0
9800000001	20	1260	6	56	0	0	0	0	7	468
9900000001	8	13	132	86	3	2	0	0	4	6
Month Tot	39	1722	151	800	7	1360	3	655	20	1275
Y-T-D Tot	253	11060	290	6064	135	3675	73	1101	138	6011
NC YTD Tot*	67	7383	34	4844	3	1309	1	596	5	947

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	758	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	1	500	0	0	1	884	0	0
100045	0	0	0	0	0	0	7	399	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	3	614	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	2	20	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	5	950	0	0	0	0	0	0
190090	1	8	0	0	0	0	12	210	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	17	0	0
8459100000	0	0	0	0	0	0	1	277	0	0
210080	1	45	0	0	0	0	5	210	0	0
290040	0	0	0	0	0	0	1	103	0	0
290050	0	0	0	0	0	0	1	6	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	68	0	0	3	16	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	1	30	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	1	11	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	9	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	56	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	3	75	0	0	9	72	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	7	58	0	0
8460110080	0	0	0	0	0	0	1	45	0	0
190010	0	0	0	0	0	0	5	55	0	0
190050	1	9	0	0	0	0	1	6	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	1	99	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	16	17	202
310080	0	0	0	0	0	0	0	0	0	0
390050	5	36	3	20	1	6	3	22	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	5	50	6	81	1	14	3	81	0	0
900060	1	19	0	0	0	0	0	0	0	0
900080	5	356	1	3	0	0	15	255	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	494	0	0	0	0	2	10	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	2	31	0	0
300060	0	0	1	248	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	18	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	103	0	0
405060	0	0	0	0	0	0	1	18	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	14	200	1	6	0	0	7	124	15	80
9000000001	0	0	1	28	0	0	10	98	0	0
9800000001	0	0	6	556	0	0	235	1029	0	0
9900000001	249	84	16	22	25	22	114	121	69	42
Month Tot	286	2158	47	2642	27	41	458	4939	101	324
Y-T-D Tot	1432	10567	268	14710	47	123	2870	18622	306	2884
MC YTD Tot*	22	2445	26	5083	0	0	40	4016	17	1877

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	5	549	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	2	16	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	58	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	2	66	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	40	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	47	0	0
210080	0	0	0	0	1	161	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	20	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	20	132	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	29	2	31	4	29	2	17
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	2	273	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	15	0	0	1	10	0	0
9000000001	2	208	0	0	0	0	0	0	0	0
9800000001	8	75	0	0	0	0	1	59	10	63
9900000001	85	57	0	0	35	20	111	73	5	5
Month Tot	97	406	4	101	40	228	149	1231	17	85
Y-T-D Tot	509	2289	189	1300	85	1670	240	3178	58	589
NC YTD Tot*	3	410	1	677	9	1291	8	729	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	40	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	2	275
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	29	0	0	0	0	0	0	8	486
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	11	695	0	0	0	0	3	408	0	0
110050	0	0	0	0	0	0	0	0	2	478
110090	0	0	0	0	0	0	0	0	0	0
190030	6	97	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	1	4
190070	1	30	0	0	0	0	1	64	0	0
190090	1	7	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	27
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	41
290050	0	0	0	0	0	0	1	250	0	0
290070	5	282	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	1	4
310040	0	0	0	0	0	0	1	334	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	10	56
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	1	23
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	7	350	0	0	0	0	7	178	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	3	93
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	3	8	0	0	2	5
190010	0	0	0	0	0	0	0	0	2	158
190050	3	580	0	0	0	0	0	0	0	0
210080	2	867	0	0	0	0	1	141	4	215
290010	0	0	0	0	0	0	0	0	3	389
290030	0	0	0	0	0	0	0	0	1	38
290050	17	1311	0	0	0	0	3	88	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	1	3	12	82	4	32
400080	1	17	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	30	242	22	233
900080	5	22	0	0	0	0	0	0	0	0
8461100060	1	25	0	0	0	0	5	42	6	145
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	6	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	20
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	5	94	0	0	2	13	2	7	12	152
9000000001	0	0	0	0	1	7	3	78	5	17
9800000001	5	60	0	0	1	5	7	106	37	162
9900000001	205	161	0	0	15	10	34	9	269	235
Month Tot	278	4672	0	0	23	45	110	2027	399	3291
Y-T-D Tot	908	13125	2	670	203	3939	646	7000	1223	12105
NC YTD Tot*	53	6692	0	0	3	202	13	2444	48	3836

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

RELEASED: August 2, 1989

Metal Forming Machine Tools

		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	2170	13431	361	4112
8462100030	Headers and upsetters, including cold headers	41	3521	1	1867
100050	Forging or die stamping machines, and hammers, n.e.c.	554	31544	94	12081
210080	Bending, folding, straight. or flat. mach., incl presses, NC	181	9726	48	2291
290030	Press brakes, non-NC	156	4004	24	628
290040	Bending rolls, non-NC	44	1322	4	41
290050	Bending, folding, straight., or flat., n.e.c., non-NC	376	16089	105	6501
310080	Shearing machines, NC	17	1426	3	308
390050	Shearing machines, non-NC	228	5878	49	1086
410080	Punching or notching mach., incl. comb. punch & shear, NC	119	12347	18	2648
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	191	4297	58	766
910060	Hydraulic presses, NC	16	1361	4	1000
910090	Hydraulic presses, non-NC	126	9636	22	1370
990030	Presses, n.e.c., NC	27	2668	10	2181
990040	Presses, mechanical, non-NC	25	20435	4	470
990060	Presses, n.e.c., non-NC	499	29669	71	4363
8463100080	Draw benches for bars, tubes, profiles, wire or the like	18	1572	10	998
200080	Thread rolling machines	18	919	8	617
300080	Machines for working wire	102	6386	21	870
900080	Metal forming machine tools, n.e.c.	320	9593	71	1694
9800000002	Used or rebuilt machine tools	279	5319	56	1002
9900000002	Machine tools valued at less than $2,500	7546	2541	1747	691
	Forming Total			2789	47586
	Y-T-D Forming Total	13053	193682		
	NC Y-T-D Forming Total	360	27528		
	Cutting and Forming Totals:				
	Monthly Total			57391	203569
	Y-T-D Total	190457	790121		
	NC Y-T-D Total	4357	409590		

Other Manufacturing Technology

		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
1000000000	Machine tool parts and accessories	0	227214	0	62950
2710003070	Quenching or cutting oils	0	24	0	14
8428900010	Industrial robots for lifting, handling, loading or unload	533	16748	139	7654
8456101010	Laser, light or photon beam for working metal, NC	30	4822	7	1150
101020	Laser, light or photon beam for working metal, non-NC	4	616	0	0
105000	Laser, light or photon beam for other materials	933	1492	246	433
201010	Ultrasonic processes for working metal, NC	3	161	3	161
201050	Ultrasonic processes for working metal, non-NC	10	22	4	3
205000	Ultrasonic processes for working other materials	113	362	1	5
8477106010	Injection molding mach., for rubber or oth. thermosetting	260	32052	82	17519
106050	Injection molding mach., for thermoplastics	843	87632	228	22048
200010	Extruders for rubber or other thermosetting materials	57	7758	14	910
200050	Extruders for processing thermoplastics	258	17290	48	2735
300000	Blow molding machines	100	15739	33	3208
400000	Vacuum-molding and other thermoforming machines	80	8394	4	846
8479899040	Industrial robots, n.e.c.	8799	46935	356	7826
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	4212	14855	723	3151
9024100000	Machines and appliances for testing metals	0	3092	0	558
9031100000	Machines for balancing mechanical parts	0	2358	0	683
300000	Profile projectors	0	2049	0	533
9032810020	Industrial process control instr., hydraulic	61495	1108	24254	313
810060	Industrial process control instr., pneumatic	19958	902	6755	295

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

April 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	336	235	0	0	2	329
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	20	179	0	0	0	0
210080	1	25	0	0	1	14	0	0	1	39
290030	6	210	0	0	8	278	0	0	0	0
290040	0	0	0	0	1	32	0	0	0	0
290050	0	0	0	0	42	408	1	8	5	526
310080	0	0	0	0	0	0	0	0	0	0
390050	10	120	0	0	3	85	1	34	3	41
410080	0	0	0	0	0	0	0	0	0	0
490050	1	23	0	0	7	56	0	0	8	42
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	205	0	0	1	633
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	4	483	0	0	27	1852	0	0	6	1134
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	91	0	0	1	10	0	0	0	0
900080	0	0	0	0	0	0	0	0	18	617
9800000002	2	53	0	0	18	198	0	0	2	41
9900000002	1	1	0	0	17	33	11	16	113	35
Month Tot	27	1006	0	0	483	3584	13	58	159	3436
Y-T-D Tot	168	5637	7	11	2745	19311	62	762	430	5767
NC YTD Tot	2	42	0	0	7	428	6	163	3	568
C&F Month	31	2799	105	249	1589	4981	114	1365	2827	9829
C&F Y-T-D	221	9340	418	2279	4473	25823	710	12166	10171	21175
C&F NC YTD	8	240	4	239	17	911	29	1365	88	5979

Other Manufacturing Technology

1000000000	0	337	0	50	0	24166	0	1949	0	1161
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	25	2093	0	0	2	408
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	1	138	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	4	3
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	3	644	6	900	5	744
106050	0	0	0	0	23	4086	0	0	11	1454
200010	0	0	0	0	0	0	0	0	1	210
200050	1	198	0	0	10	355	0	0	1	60
300000	0	0	0	0	2	283	0	0	9	595
400000	0	0	0	0	0	0	0	0	0	0
8479899040	0	0	0	0	1	12	0	0	0	0
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	1	4	0	0	1	4
9024100000	0	2	0	0	0	13	0	0	0	26
9031100000	0	0	0	0	0	0	0	0	0	6
300000	0	0	0	0	0	0	0	0	0	6
9032810020	0	0	0	0	3	1	0	0	0	0
810060	0	0	0	0	0	0	323	23	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	3164	0	0	0	0	0	0	0	0
8462100030	1	1867	0	0	0	0	0	0	0	0
100050	20	11156	0	0	0	0	0	0	0	0
210080	31	1583	0	0	0	0	0	0	0	0
290030	2	68	0	0	4	37	1	17	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	8	4283	0	0	0	0	0	0	0	0
310080	2	165	0	0	0	0	2	6	17	317
390050	10	446	0	0	0	0	0	0	0	0
410080	9	1409	0	0	6	72	0	0	1	18
490050	0	0	0	0	0	0	0	0	0	0
910060	4	1000	0	0	0	0	15	141	2	54
910090	10	128	0	0	0	0	0	0	0	0
990030	6	2008	0	0	0	0	0	0	2	256
990040	4	470	0	0	0	0	0	0	0	0
990060	11	366	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	1	25
200080	1	177	0	0	0	0	0	0	0	0
300080	3	143	0	0	0	0	1	34	0	0
900080	41	456	0	0	0	0	0	0	0	0
9800000002	23	198	0	0	0	0	0	0	2	77
9900000002	209	310	0	0	0	0	2	3	0	0
							35	30	4	5
Month Tot	399	29396	0	0	10	110	56	231	30	812
Y-T-D Tot	1676	113885	4	38	35	517	156	502	128	3137
NC YTD Tot	167	16630	0	0	0	0	0	0	2	85
C&F Month	4890	118240	241	2338	106	1907	409	2648	671	2892
C&F Y-T-D	15407	464868	779	6122	290	5079	897	6996	1196	6304
C&F NC YTD	2817	312712	60	3226	37	1877	184	2054	3	108

Other Manufacturing Technology

1000000000	0	12330	0	248	0	326	0	217	0	844
2710003070	0	14	0	0	0	0	0	0	0	0
8428900010	71	4002	0	0	0	0	0	0	31	994
8456101010	5	978	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	120	53	0	0	0	0	0	0	0	0
201010	3	161	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	1	5	0	0	0	0	0	0	0	0
8477106010	47	12577	0	0	0	0	0	0	0	0
106050	91	8862	13	481	0	0	0	0	1	50
200010	3	166	0	0	0	0	0	0	0	0
200050	1	70	0	0	0	0	0	0	0	0
300000	2	764	2	69	0	0	0	0	0	0
400000	3	655	0	0	0	0	0	0	0	0
8479899040	291	6906	0	0	1	12	0	0	2	67
900040	0	0	0	0	0	0	0	0	0	0
8537100030	717	2658	0	0	0	0	0	0	0	0
9024100000	0	172	0	0	0	0	0	0	0	72
9031100000	0	606	0	6	0	0	0	0	0	0
300000	0	272	0	0	0	0	0	0	0	0
9032810020	49	3	1150	177	0	0	0	0	0	0
810060	19	222	6000	27	0	0	0	0	1	2

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	317	1	22	0	0	0	0	16	44
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	12	119	41	480	1	147
210080	1	72	0	0	0	0	7	407	5	91
290030	0	0	0	0	0	0	2	10	1	9
290040	0	0	0	0	0	0	3	9	0	0
290050	3	166	10	27	4	51	9	660	4	49
310080	1	143	0	0	0	0	0	0	0	0
390050	0	0	0	0	13	57	1	6	1	207
410080	1	117	0	0	0	0	6	790	2	332
490050	1	6	3	96	3	216	18	133	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	6	2	9	3	119	1	14
990030	0	0	0	0	0	0	4	174	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	2	22	2	88	0	0	12	248	6	144
8463100080	0	0	0	0	0	0	10	998	0	0
200080	0	0	0	0	0	0	4	400	2	6
300080	0	0	4	63	6	92	5	472	0	0
900080	0	0	0	0	3	126	5	345	2	73
9800000002	0	0	0	0	1	3	8	507	0	0
9900000002	250	22	1019	165	2	1	54	25	32	47
Month Tot	261	865	1040	466	46	674	192	5784	73	1164
Y-T-D Tot	469	6537	4188	3093	248	5981	726	22329	2011	6176
NC YTD Tot	12	1349	21	469	1	42	92	5604	47	2147
C&F Month	320	7097	38897	10275	491	4839	1597	28296	5103	5815
C&F Y-T-D	844	30916	120001	39363	2973	31866	4749	101080	27328	26745
C&F NC YTD	73	11642	257	7238	266	12295	353	43247	161	6457

Other Manufacturing Technology

1000000000	0	4052	0	1732	0	2706	0	9448	0	3383
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	4	63	0	0	6	93	0	0	0	0
8456101010	2	172	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	87	4	2	211	36	27
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	6	301	2	144	4	54	8	2024	1	131
106050	3	485	7	305	1	233	69	4832	9	1259
200010	4	91	0	0	0	0	4	318	2	126
200050	0	0	12	172	6	37	15	1834	2	10
300000	0	0	3	65	0	0	15	1432	0	0
400000	0	0	0	0	1	191	0	0	0	0
8479899040	2	53	1	133	13	22	22	166	23	456
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	1	484	3	1
9024100000	0	19	0	0	0	106	0	31	0	117
9031100000	0	20	0	0	0	34	0	5	0	6
300000	0	0	0	0	0	172	0	83	0	0
9032810020	100	6	0	0	2100	8	1	5	20851	114
810060	0	0	240	1	1	1	6	6	165	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	297	613	4	75	301	687
Bulgaria	0	0	0	0	0	0
Czechoslovakia	4	59	0	0	4	59
Denmark	80	116	3	72	83	188
East Germany	20	242	0	0	20	242
Finland	0	0	7	339	7	339
Hungary	1	32	0	0	1	32
Ireland	8	5	2	6	10	11
Luxembourg	0	0	0	0	0	0
Netherlands	37	204	13	306	50	509
Norway	1	2	0	0	1	2
Poland	9	122	0	0	9	122
Portugal	19	44	3	35	22	79
Romania	0	0	0	0	0	0
USSR	1	21	0	0	1	21
Yugoslavia	78	642	0	0	78	642
Oth Europe	2	3	0	0	2	3
TOTAL	6233	49003	816	13699	7049	62702
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	16	29	196	30	212
Oth N & C Am.	1	19	0	0	1	19
TOTAL	1108	1433	512	3779	1620	5213
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	105	249	0	0	105	249
OCEANIA						
Australia	5	309	1	3	6	312
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	5	309	1	3	6	312

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	4440	1404	1	9	4441	1413
Hong Kong	4	8	0	0	4	8
India	6	9	0	0	6	9
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	16	780	6	121	22	901
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	47151	104989	1456	30102	48607	135091
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	4	3	4	3
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	4	3	4	3

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Cutting Machine Tools - April 89

RELEASED: August 2, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	271	22840	82	6041
301030	Traveling wire electro-discharge machines, non-NC	58	4546	7	488
301050	Electro-discharge machines, n.e.c., NC	61	3178	9	384
301070	Electro-discharge machines, n.e.c., non-NC	110	4007	49	1478
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	678	57315	149	12459
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	58	6440	9	873
100035	Horiz. mach. ctrs., ATC	222	42690	97	13668
100045	Mach. ctrs., n.e.c.	143	12588	63	3858
200010	Unit construction mach. (single station transfer), NC	8	1027	8	1027
200090	Unit construction mach. (single station transfer), non-NC	3	261	0	0
300010	Multi-station transfer machines, NC	4	5525	1	4293
300090	Multi-station transfer machines, non-NC	46	11237	6	6075
8458110010	Horiz. lathes, multiple spindle, NC	78	13520	18	2620
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1044	79255	232	16296
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	187	27228	45	7223
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	38	3791	1	176
190030	Horiz. engine or toolroom lathes, non-NC	1044	9795	341	2668
190050	Automatic bar and/or chucking mach., single spindle, non-NC	67	2859	31	1885
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	29	1587	9	75
190090	Horiz. lathes, n.e.c., non-NC	401	5445	61	923
911060	Vertical turret lathes, multiple spindle, NC	9	1299	4	519
911080	Vertical turret lathes, n.e.c., NC	13	1183	12	1124
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	23	2008	3	292
991050	Vertical turret lathes, non-NC	13	1531	3	249
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	241	6206	39	1260
8459100000	Way-type unit head machines	3	270	1	101
210080	Other drilling machines, NC	135	13817	36	5099
290040	Drilling machines, multiple spindle, non-NC	25	1159	10	1046
290050	Drilling machines, radial, non-NC	136	815	24	209
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	108	734	73	568
290090	Drilling machines, n.e.c., non-NC	212	16554	30	2108
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	991	1	375
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	77	8618	13	819
310070	Boring-milling mach., n.e.c., NC	34	1282	9	175
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	16	345	12	132
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	54	3229	1	8
400040	Boring machines, vertical, NC	11	5445	1	41
400050	Boring machines, vertical, non-NC	18	138	2	41
400070	Boring machines, n.e.c., NC	8	2243	6	728
400080	Boring machines, n.e.c., non-NC	93	2813	17	303
510080	Milling machines, knee type, NC	355	7196	204	1842
590030	Milling machines, knee type, non-NC	1114	12154	312	3387
610080	Milling machines, excl. knee type, n.e.c., NC	75	17852	19	3028
690050	Milling machines, profile, dup., or die sinking, non-NC	3	386	0	0
690070	Milling machines, bed type, non-NC	41	1662	26	251
690090	Milling machines, n.e.c., non-NC	177	5767	43	1201
700020	Threading or tapping machines, n.e.c., NC	79	5563	20	2615
700080	Threading or tapping machines, n.e.c., non-NC	119	4015	25	241
8460110080	Flat surface grinding mach., NC	55	3992	16	1472
190010	Flat surface grinding mach., recip.-table type, non-NC	329	3996	128	1374
190050	Flat surface grinding mach., n.e.c., non-NC	585	6495	114	2061
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	96	21213	38	10604
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	150	3602	10	823
290030	Grinding mach., internal cylindrical, non-NC	47	4318	19	1339
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	437	17436	122	3913
310080	Sharpening machines (tool & cutter grinding), NC	75	1065	17	272
390050	Sharpening machines (tool & cutter grinding), non-NC	228	3436	86	916
400060	Honing or lapping machines, NC	23	5501	6	492
400080	Honing or lapping machines, non-NC	46	1467	10	385
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	24	1659	6	358
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	409	10032	146	3277
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	54	0	0
200010	Shaping or slotting machines, NC	26	1433	3	51
200090	Shaping or slotting machines, non-NC	26	723	15	596
300060	Broaching machines, NC	4	1358	3	1233
300080	Broaching machines, non-NC	37	3487	0	0
401050	Gear hobbers	26	4353	5	332
401070	Gear shapers	5	698	2	265
401090	Gear cutting machines, n.e.c.	79	105	14	39
405060	Gear grinding or finishing machines	50	4734	3	992
500050	Sawing or cutting-off machines, NC	37	792	7	235
500090	Sawing or cutting-off machines, non-NC	565	7298	127	1997
9000000001	Metal cutting machine tools, n.e.c.	264	6909	45	1586
9800000001	Used or rebuilt machine tools	2789	11941	1236	3528
9900000001	Machine tools valued at less than $2,500	163244	27250	50260	7570
	Cutting Total			54602	155983
	Y-T-D Cutting Total	177404	596439		
	NC Y-T-D Cutting Total	3997	382062		

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - April 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	2	74	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	43	857
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	2	14	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	10	78	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	30	158	0	0	0	0	1	24
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	80
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	2	15	0	0	1	11
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	10	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	1	6	773	4	360
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	6	74
390040	0	0	0	0	0	0	0	0	2	57
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	41
400070	0	0	0	0	0	0	0	0	3	37
400080	0	0	0	0	6	75	0	0	6	35
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	3	0	0	1	1281
610080	0	0	0	0	0	0	0	0	2	892
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	5	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	11	0	0
8460110080	0	0	0	0	0	0	0	0	1	11
190010	0	0	0	0	0	0	0	0	8	203
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	257
290050	0	0	0	0	29	305	0	0	6	145
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	5	0	0	5	27
400060	0	0	0	0	3	30	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	5	45
900080	0	0	0	0	2	54	10	27	15	258
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	45	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	11
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	14	39
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	19	255	2	174	36	261
9000000001	0	0	0	0	11	480	14	246	4	770
9800000001	2	1719	0	0	926	75	3	11	14	236
9900000001	0	0	64	3	103	49	63	52	2485	382
Month Tot	4	1793	105	249	1106	1398	101	1307	2668	6393
Y-T-D Tot	53	3703	411	2268	1728	6512	648	11404	9741	15408
NC YTD Tot	6	198	4	239	10	483	23	1202	85	5410

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - April 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	75	5505	0	0	0	0	0	0	0	0
301030	6	458	0	0	0	0	0	0	0	0
301050	4	351	0	0	0	0	0	0	0	0
301070	23	778	0	0	0	0	0	0	0	0
8457100015	112	9961	7	361	8	411	0	0	0	0
100025	2	422	1	83	0	0	0	0	0	0
100035	83	10648	0	0	0	0	0	0	0	0
100045	7	552	0	0	0	0	0	0	0	0
200010	8	1027	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	5547	0	0	0	0	0	0	0	0
8458110010	12	1445	0	0	0	0	0	0	0	0
110030	196	14494	16	911	0	0	0	0	0	0
110050	44	7171	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	1	26	12	102	21	227	1	77	0	0
190050	18	1796	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	5	318	0	0	0	0	0	0
911060	3	476	0	0	0	0	0	0	0	0
911030	11	856	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	1	49	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	5	404	6	121	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	34	4985	0	0	0	0	1	5	0	0
290040	10	1046	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	12
290070	6	298	11	48	0	0	0	0	0	0
290090	1	116	0	0	0	0	11	583	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	1	41	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	3	691	0	0	0	0	0	0	0	0
400080	2	70	0	0	0	0	0	0	0	0
510080	2	5	0	0	0	0	145	897	0	0
590030	5	121	0	0	0	0	77	572	0	0
610080	5	1690	0	0	5	197	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	47	0	0	0	0	0	0	0	0
690090	5	16	0	0	0	0	8	234	0	0
700020	17	2519	3	96	0	0	0	0	0	0
700080	21	68	0	0	0	0	0	0	0	0
8460110080	12	1154	0	0	0	0	0	0	0	0
190010	26	189	0	0	49	670	0	0	0	0
190050	5	819	6	18	0	0	0	0	2	8
210080	18	6386	0	0	0	0	0	0	0	0
290010	4	403	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	5	467	0	0	0	0	0	0	3	1344
310080	2	91	0	0	0	0	0	0	0	0
390050	2	79	0	0	0	0	0	0	0	0
400060	3	461	0	0	0	0	0	0	0	0
400080	2	206	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	13	1301	5	23	0	0	0	0	58	439
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	3	51	0	0	0	0	0	0	0	0
200090	1	43	0	0	12	251	0	0	0	0
300060	3	1233	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	1	227	1	42	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	53	0	0	0	0	0	0	0	0
500050	5	130	0	0	0	0	0	0	0	0
500090	25	905	0	0	0	0	9	25	1	4
9000000001	5	35	0	0	0	0	0	0	0	0
9800000001	205	279	0	0	0	0	1	10	0	0
9900000001	3426	744	167	167	0	0	100	13	575	273
Month Tot	4491	88844	241	2338	96	1797	353	2417	641	2080
Y-T-D Tot	13731	350983	775	6085	255	4562	741	6494	1068	3167
NC YTD Tot	2650	296082	60	3226	37	1877	184	2054	1	23

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - April 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	5	463	0	0	0	0	0	0	0	0
301030	0	0	1	30	0	0	0	0	0	0
301050	0	0	0	0	5	32	0	0	0	0
301070	4	239	0	0	4	40	18	422	0	0
8457100015	0	0	5	278	7	607	7	812	3	29
100025	0	0	0	0	6	368	0	0	0	0
100035	0	0	3	261	1	77	10	2681	0	0
100045	1	496	0	0	0	0	11	1917	1	36
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	1	4293	0	0
300090	4	528	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	6	1175	0	0
110030	1	58	16	775	1	44	0	0	0	0
110050	0	0	1	53	0	0	0	0	0	0
110090	0	0	0	0	0	0	1	176	0	0
190030	0	0	86	592	46	562	0	0	164	1003
190050	0	0	13	88	0	0	0	0	0	0
190070	0	0	4	30	0	0	0	0	5	45
190090	0	0	0	0	23	263	0	0	2	161
911060	0	0	0	0	1	43	0	0	0	0
911080	0	0	0	0	0	0	1	269	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	163	0	0
991050	1	178	0	0	0	0	2	71	0	0
995090	0	0	1	44	6	28	4	271	14	365
8459100000	0	0	0	0	1	101	0	0	0	0
210080	0	0	0	0	0	0	1	109	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	9	81	0	0	1	9	11	97
290070	0	0	0	0	0	0	23	90	33	133
290090	0	0	2	136	0	0	5	125	1	13
310010	0	0	0	0	1	375	0	0	0	0
310040	0	0	0	0	0	0	11	774	2	46
310070	1	37	0	0	1	59	1	5	0	0
390040	0	0	0	0	0	0	0	0	10	74
390050	0	0	0	0	0	0	0	0	1	8
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	95	1	28
510080	0	0	36	343	14	404	3	168	4	25
590030	0	0	119	767	81	357	0	0	28	287
610080	0	0	7	249	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	25	204	0	0	0	0	0	0
690090	2	246	0	0	18	54	0	0	9	646
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	3	2	160
8460110080	0	0	0	0	1	13	2	293	0	0
190010	0	0	28	76	6	6	1	211	10	20
190050	1	134	78	630	8	398	0	0	14	53
210080	5	749	4	125	0	0	11	3345	0	0
290010	4	327	1	13	0	0	1	81	0	0
290030	5	180	0	0	0	0	2	779	10	123
290050	5	1067	22	74	2	27	36	389	14	94
310080	2	19	12	120	0	0	1	43	0	0
390050	2	35	2	24	11	62	58	533	4	151
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	5	34	2	5	1	140
900060	1	313	0	0	0	0	0	0	0	0
900080	2	711	3	19	6	18	20	171	12	256
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	257	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	2	52	0	0
401070	0	0	0	0	0	0	2	265	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	423	0	0	0	0	1	516	0	0
500050	0	0	0	0	0	0	2	105	0	0
500090	0	0	1	5	0	0	18	322	16	47
9000000001	0	0	1	4	0	0	0	0	10	51
9800000001	2	13	9	35	46	107	25	1004	3	39
9900000001	10	16	37368	4753	144	85	1110	514	4645	518
Month Tot	59	6232	37857	9809	445	4165	1405	22512	5030	4651
Y-T-D Tot	375	24379	115813	36270	2725	25885	4023	78750	25317	20569
NC YTD Tot	61	10293	236	6768	265	12253	261	37643	114	4310

Please see notes on last page of the metal forming section.